

Abstract

Rotational pump with variable volume flow, comprising a pump housing having a suction connection and a pressure connection, an outer rotor with inner toothing which is rotatably disposed inside the housing, and an inner rotor with outer toothing which is eccentrically disposed in the outer rotor, and which can be driven by a drive shaft which is disposed in the pump housing parallel to the axis of the outer rotor, wherein a rotatable adjusting ring is provided coaxially to the drive shaft to change the volume flow in the pump housing, and in which the outer rotor is eccentrically and rotatably disposed, characterized in that a slider, which can change the size of at least one of the connections, is disposed, as viewed in the turning direction, between the pressure connection and the suction connection.